

## **COTTAGE CLUSTER**

60' x 120'

CORArchitecture WHITE HAT NO DEPARTURES

**ALLEY** 

	TA	
COMPONENT		AMOUNT
OT SIZE		7200
AR		0.93
IUMBER OF UNITS		5
OTAL GROSS SQUARE FOOTAGE		7211
IUMBER OF PARKING STALLS		6
YPE OF PARKING	Nose in parl	king off Alley
PEN SPACE TOTAL		1150
PPEN SPACE AT GRADE		1150
PEN SPACE ABOVE GRADE		0
MENITY SPACE SQUARE FOOTAGE		1150
GREEN FACTOR (attach calculations)		0.63
OT COVERAGE (SF)		38.5%
BUILDING HEIGHT/ROOF PEAK		33'-0"
MPERVIOUS SURFACE		51.0%
PEN SPACE/LOT SIZE RATIO		16.0%
INIT DENSITY (UNITS PER LOT AREA)	1 unit per:	1440 SF

## ENABLING FACTORS:

- ENABLI ING FACTORS:

  1. This scheme mixes elements of the cottage standards with multifamily townhouse standards.

  2. Common open space in lieu of private provides far better amenity and community space.

  3. Alley access is essential, otherwise the parking and vehicle circulation eats up too much site area.

  2. ATRIM INCENTANISMS:

  1. FAR is self limiting and can only approach 1.0 at best. The scheme would probably not pencil on an L3 lot.

  2. The scheme will not work well on lots less that 60' wide. It would work very well on larger lots or as a mirrored scheme not double lots.
- 3. L1 density limit holds the scheme to 5 units and drives a developer to provide larger units rather than a variety of sizes. ncreasing that limit would allow for more housing choices in this scheme.

  4. This scheme was originally explored according to the cottage housing guidelines. However, cottage housing was too estrictive and the idea had to be transformed into townhouses in order to get enough FAR to make the scheme viable.
- restrictive and the does had to be transformed into bivinnouses in order to getenough FAR to make the scheme viable.

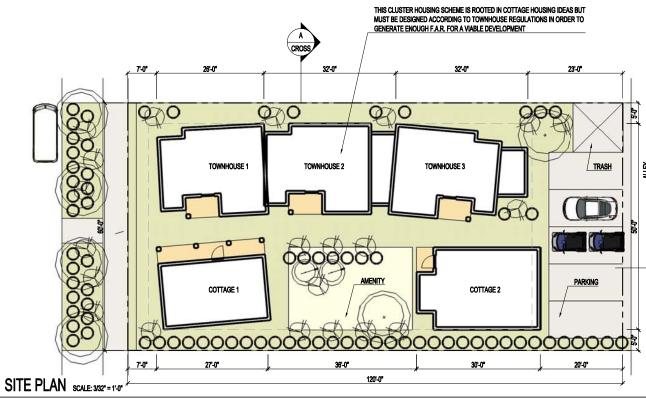
  COST FACTORS:

  1. Cost to build would be moderate to high. Free standing structures are inefficient compared to attached.

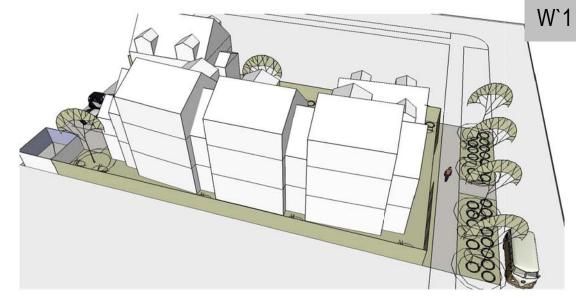
  2. Ability to adapt easily to sloping sites could help reduce cost of excavation and soil import? export in some cases EVALUATION:

  1. This scheme is inlended to illustrate how a good cluster housing scheme combines feesbanding and attached buildings to
- generale an inheresting site plan and quality community space. It is a mix of site design ideas from the cottage housing sector with buildings too large to qualify as cottages. The cottage housing regulations did not allow a viable project in terms of yield. Infoducing taller, attached strudures into the mix preserves more open space, generales a viable square bottage yield an objective growing of the citis design on each executional with costerior housing housing the contract contract contracts.

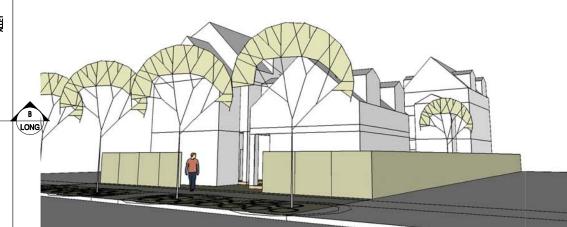
chieves many of the site design goals associated with cottage housing better than a pure cottage scheme.					
GREEN FACTOR					
LANDSCAPE ELEMENT	NUM	AREA (SF)	FACTOR	TOTAL	
LANDSCAPED AREA W/ SOIL DEPTH LESS THAN 24"		0	0.1	0.0	
LANDSCAPED AREA W 24" OF SOIL OR GREATER		2994	0.6	1796.4	
BIORETENTION FACILITIES		0	1.0	0.0	
GROUND COVERS OR PLANTS LESS THAN 2' AT MATURITY		2994	0.1	299.4	
SHRUBS OR PERENINIALS 2'+ AT MATURITY		1520	0.3	456.0	
NUMBER OF SMALL TREES	0	50	0.3	0.0	
NUMBER OF SMALL/MEDIUM TREES	2	100	0.3	60.0	
NUMBER OF MEDIUM/LARGE TREES	0	150	0.4	0.0	
NUMBER OF LARGE TREES	6	200	0.4	480.0	
NUMBER OF LARGE TREES PRESERVED			0.8	0.0	
GREEN ROOF BETWEEN 2" AND 4" OF GROWTH MEDIUM			0.4	0.0	
GREEN ROOF OF AT LEAST 4" OF GROWTH MEDIUM		0	0.7	0.0	
VEGETATED WALLS		960	0.7	672.0	
APPROVED WATER FEATURES			0.7	0.0	
PERMEABLE PAVING OVER BETWEEN 6" AND 24" OF SOIL OR GRAVEL		0	0.2	0.0	
PERMEABLE PAVING OVER AT LEAST 24" OF SOIL OR GRAVEL		1090	0.5	545.0	
STRUCTURAL SOIL SYSTEMS			0.2	0.0	
BONUS					
DROUGHT TOLERANT OR NATIVE PLANT SPECIES		1520	0.1	152.0	
LANDSCAPED AREA > 50% IRRIGATION BY HARVESTED RAINWATER			0.2	0.0	
LANDSCAPING VISIBLE FROM RIGHT OF WAY OR PUBLIC OPEN SPACES		940	0.1	94.0	
LANDSCAPING IN FOOD CULTIVATION		100	0.1	10.0	
GREEN FACTOR NUMERATOR				4564.8	
PARCEL SIZE				7200	
TOTAL GREEN FACTOR				0.63	



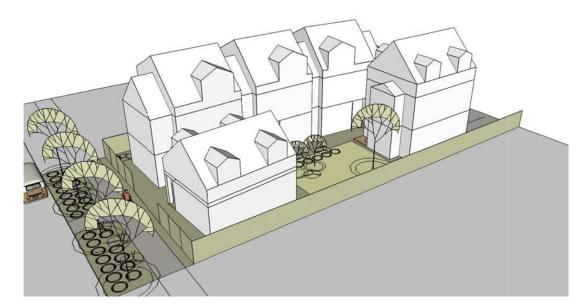




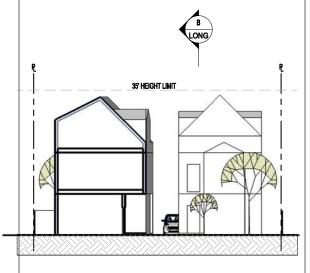
**BIRDS EYE VIEW** 



STREET VIEW



BIRDS EYE VIEW



CROSS SECTION SCALE: 3/32" = 1'-0"

LONGITUDINAL SECTION SCALE: 3/32" = 1'-0"



# RAISED CENTER COURTYARD

40' x 100' MID-BLOCK

WHITE HAT

NO DEPARTURES

	PROJECT DATA		
COMPONENT			AMOUNT
LOT SIZE			4000
FAR			0.98
NUMBER OF UNITS			3
TOTAL GROSS SQUARE FOO	DTAGE		4224
NUMBER OF PARKING STALL	LS		3
TYPE OF PARKING		COVERED, PARITALLY	BELOW GRADE
OPEN SPACE TOTAL			750
OPEN SPACE AT GRADE			0
OPEN SPACE ABOVE GRADE			0
AMENITY SPACE SQUARE F	DOTAGE		750
GREEN FACTOR (attach calcu	lations)		0.64
LOT COVERAGE (SF)			62.5%
BUILDING HEIGHT/ROOF PE	AK		23'-7"
IMPERVIOUS SURFACE			72.0%
OPEN SPACE/LOT SIZE RATI	0		18.8%
UNIT DENSITY (UNITS PER L	OT AREA)	1 UNIT/	1333SF

- ENABLING FACTORS:

  1. Under current code, this scheme would require departures for: Front & Rear setbacks, Lot Coverage, Building Depth, and Open Space.

  2. The height exception for sub-grade parking is very helpful. This scheme would have height limit problems without it.

GATING MECHANISMS:

1. The scheme is a bit self limiting. In order to avoid the cost associated with true structured parking, the housing isn't built over the parking area. Once the necessary area has been allotted for parking, there's only so much area left over for buildings. Once that area has been filled out & built to three stories this scheme tops out at an FAR of about 1.1.

- COST FACTORS:

  1. The primary cost factor in this scheme is the recessed parking and the construction of the lid itself. However, since no FAR is used for parking, there is also a friancial benefit.

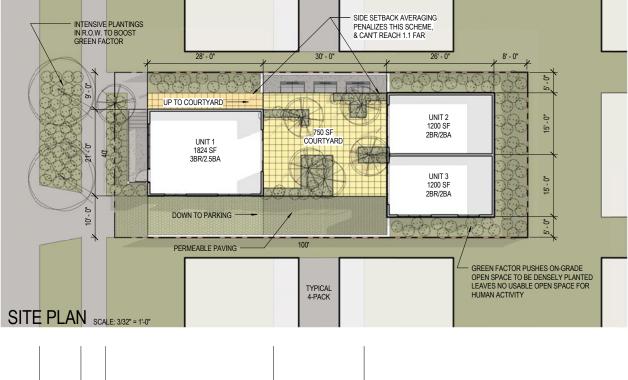
  2. The extent of green not is driven by green factor. It would be a very costly element.

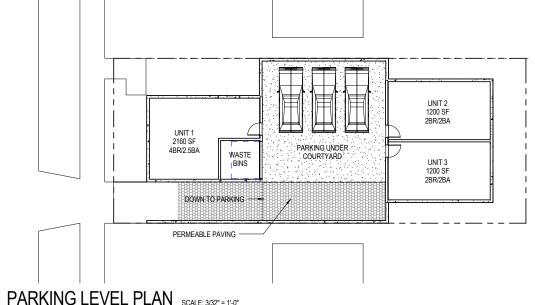
  3. Using interior square footage for waste bin storage is a significant loss of saleable area.

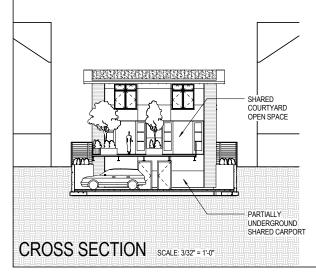
- EVALUATION:

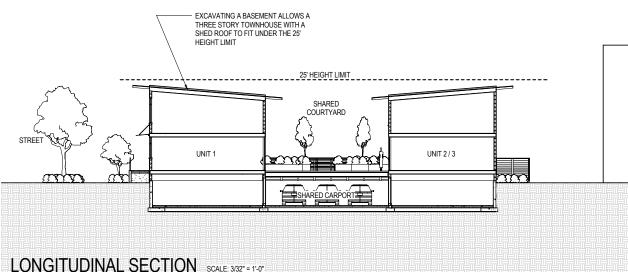
  1. FAR exemptions must be clarified to exempt all open space lids on top of parking. Otherwise, schemes like this will be
- 1. FAR exemptions must be deathed to exempt all open space lids on top of parking. Otherwise, schemes like this will be penalized if they are built on downfull islates.
  2. Green Factor, as currently proposed, desern incentivize design choices that are appropriate for housing. Expensive, significant amenities like permeable paving and green roofs are meagerly rewarded, while heavy shrub landscaping & vegetated writed size thighly encouraged.
  3. Area required for waste bin storage is excessive & inflexible. The required dimensions are incompatible with parking dimensions & also statica krauss. Many developers will choose to simply place them in the front yard.
  4. Seback averaging penalizes this scheme. With a 5' side setback, this project could meet the 1.1 FAR allowed by the zone.

LANDSCAPE ELEMENT	NUM	AREA (SF)	FACTOR	TOTAL
LANDSCAPED AREA W/ SOIL DEPTH LESS THAN 24"		` '	0.1	0.0
LANDSCAPED AREA W/ 24" OF SOIL OR GREATER		1335	0.6	801.0
BIORETENTION FACILITIES			1.0	0.0
GROUND COVERS OR PLANTS LESS THAN 2' AT MATURITY			0.1	0.0
SHRUBS OR PERENINIALS 2'+ AT MATURITY		967	0.3	290.1
NUMBER OF SMALL TREES	6	50	0.3	90.0
NUMBER OF SMALL/MEDIUM TREES	2	100	0.3	60.0
NUMBER OF MEDIUM/LARGE TREES		150	0.4	0.0
NUMBER OF LARGE TREES		200	0.4	0.0
NUMBER OF LARGE TREES PRESERVED			0.8	0.0
GREEN ROOF BETWEEN 2" AND 4" OF GROWTH MEDIUM			0.4	0.0
GREEN ROOF OF AT LEAST 4" OF GROWTH MEDIUM		1480	0.7	1036.0
VEGETATED WALLS			0.7	0.0
APPROVED WATER FEATURES			0.7	0.0
PERMEABLE PAVING OVER BETWEEN 6" AND 24" OF SOIL OR GRAVEL		621	0.2	124.2
PERMEABLE PAVING OVER AT LEAST 24" OF SOIL OR GRAVEL			0.5	0.0
STRUCTURAL SOIL SYSTEMS			0.2	0.0
BONUS				
DROUGHT TOLERANT OR NATIVE PLANT SPECIES		1335	0.1	133.5
LANDSCAPED AREA > 50% IRRIGATION BY HARVESTED RAINWATER			0.2	0.0
LANDSCAPING VISIBLE FROM RIGHT OF WAY OR PUBLIC OPEN SPACES		430	0.1	43.0
LANDSCAPING IN FOOD CULTIVATION			0.1	0.0
GREEN FACTOR NUMERATOR				2577.8
PARCEL SIZE				4000
TOTAL GREEN FACTOR				0.64



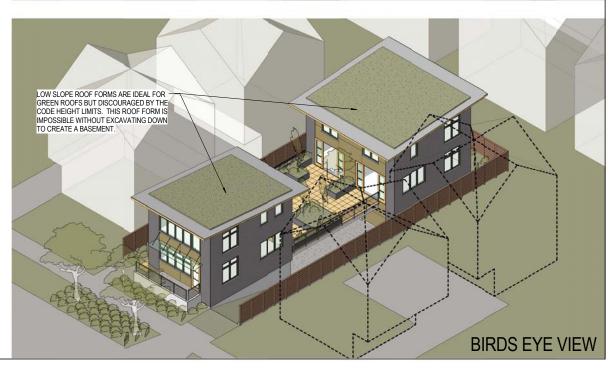




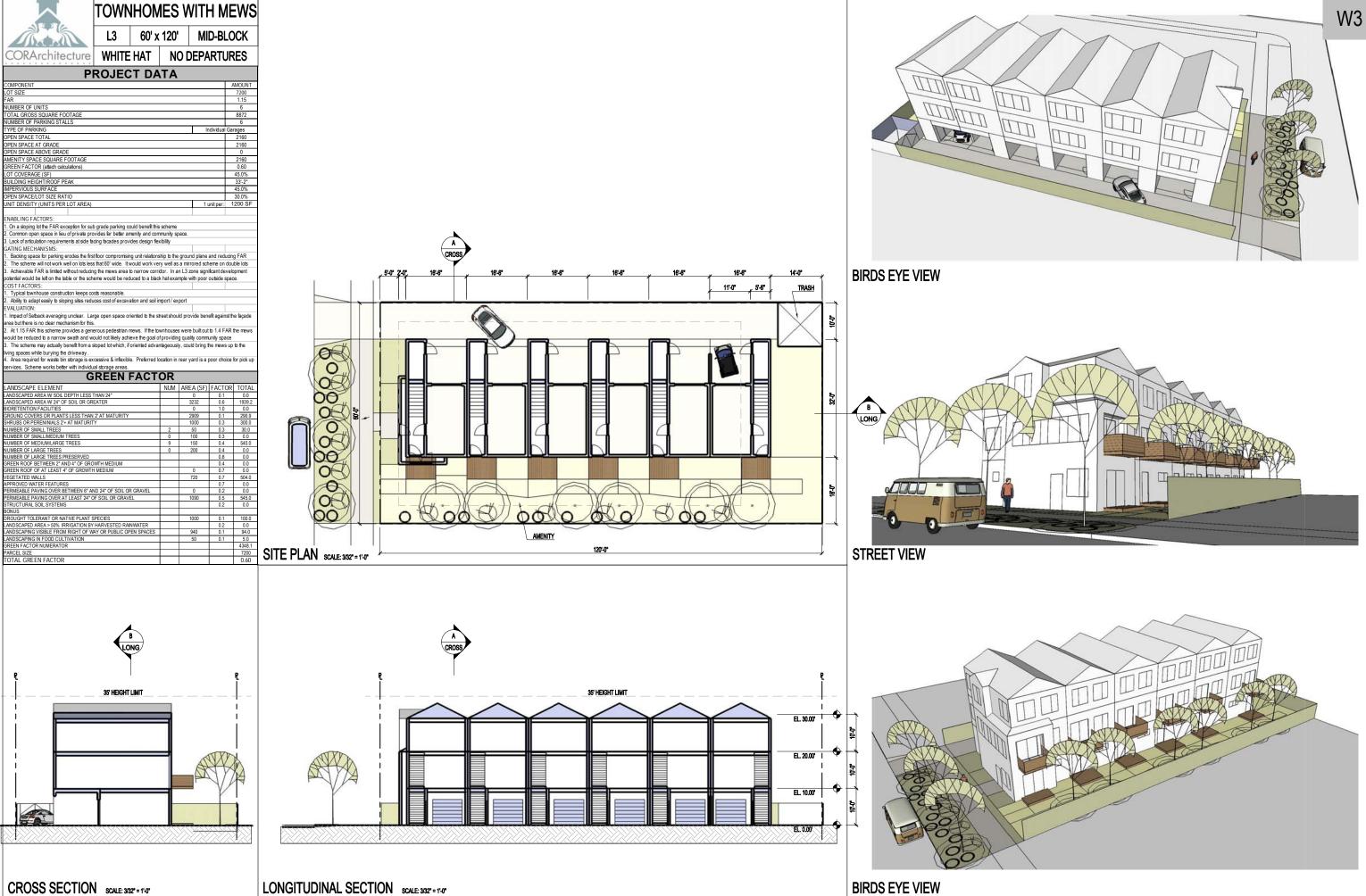














## INFILL BEHIND EXISTING SF HOUSE 40' x 120' MID-BLOCK WHITE HAT NO DEPARTURES, SEE ALTERNATE

PROJE	CT DATA
COMPONENT	AMOUNT
LOT SIZE	4800
FAR	0.96
NUMBER OF UNITS	2 OR ALTERNATE 3
TOTAL GROSS SQUARE FOOTAGE	4882
NUMBER OF PARKING STALLS	1
TYPE OF PARKING	AT GRADE, W//20% TRANSIT REDUCTION
OPEN SPACE TOTAL	2015
OPEN SPACE AT GRADE	2015
OPEN SPACE ABOVE GRADE	0
AMENITY SPACE SQUARE FOOTAGE	2015
GREEN FACTOR (attach calculations)	0.60
LOT COVERAGE (1769 SF)	36.8%
BUILDING HEIGHT/ROOF PEAK	32'-9"
IMPERVIOUS SURFACE	1769 SF
OPEN SPACE/LOT SIZE RATIO	42.0%
UNIT DENSITY (UNITS PER LOT AREA)	1 UNIT/ 2400SF or 1 UNIT/1600 SF

- NABLING FACTORS:

  This proposal is extremely similar to what can be done today under the current code. Why not be more bold? Density limits remain in LDT, setbacks are the same as the current code because of the size of the new structure and the adjacency to single family to the rear of the development site.
- The alternate proposal suggests providing two smaller homes, thereby increasing the allowable density. The project save an existing 1500 sq. ft. 1902 home recently remodeled and proposes providing only one off-street parking stall in either the code compliant proposal, since the existing home does not have parking, and the site qualifies for the 20% parking reduction. The two smaller homes, 1272 sq. ft. each, provide two affordable homes in place of the larger expensive on prescribed by the density limits in the current code. Perhaps Density can qualify for a departure through Design Review o projects that save an existing dwelling qualify for a Density Bonus.

GATING MECHANISMS:
1. The scheme is limited by the Density limits still prescribed in LDT, L1 and L2 zones.

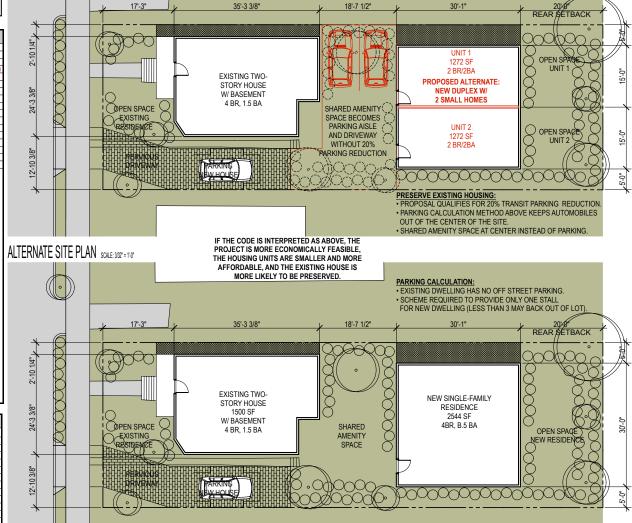
## OST FACTORS:

The primary cost factor in this scheme is needing to max out the allowable zoning envelope and having limits on density.

The alternate proposal spreads cost over two smaller homes, thereby making the FAR in the development more affordable.

- . The new legislation can be written to provide incentives to preserve existing housing stock, such as parking reductions and increased density potential. This additional flexibility will create affordable smaller homes.
- Green Factor of 0.6 is difficult, even on a this site where parking and access occupies little ground space. The narrow planting strip contributes little to the overall Green Factor. Without providing green roofs or green walls, shrubs need to wrap all ground level open space, in excess of what is desirable.
- . Parking only one vehicle on site creates places for people. In the front of the existing house and behind the new structure are private open spaces, while the space between the two structures is a community amenity space. If more parking is required, that space is given over to a parking aisle and parking stalls.

GREEN FACTOR					
LANDSCAPE ELEMENT	NUM	AREA (SF)	FACTOR	TOTAL	
LANDSCAPED AREA W/ SOIL DEPTH LESS THAN 24"		0	0.1	0.0	
LANDSCAPED AREA W/ 24" OF SOIL OR GREATER		2015	0.6	1209.0	
BIORETENTION FACILITIES		262	1.0	262.0	
GROUND COVERS OR PLANTS LESS THAN 2' AT MATURITY		2015	0.1	201.5	
SHRUBS OR PERENINIALS 2'+ AT MATURITY		2000	0.3	600.0	
NUMBER OF SMALL TREES	0	50	0.3	0.0	
NUMBER OF SMALL/MEDIUM TREES	5	100	0.3	150.0	
NUMBER OF MEDIUM/LARGE TREES	3	150	0.4	180.0	
NUMBER OF LARGE TREES	1	200	0.4	80.0	
NUMBER OF LARGE TREES PRESERVED			0.8	0.0	
GREEN ROOF BETWEEN 2" AND 4" OF GROWTH MEDIUM			0.4	0.0	
GREEN ROOF OF AT LEAST 4" OF GROWTH MEDIUM			0.7	0.0	
VEGETATED WALLS			0.7	0.0	
APPROVED WATER FEATURES			0.7	0.0	
PERMEABLE PAVING OVER BETWEEN 6" AND 24" OF SOIL OR GRAVEL		500	0.2	100.0	
PERMEABLE PAVING OVER AT LEAST 24" OF SOIL OR GRAVEL			0.5	0.0	
STRUCTURAL SOIL SYSTEMS			0.2	0.0	
BONUS					
DROUGHT TOLERANT OR NATIVE PLANT SPECIES		1200	0.1	120.0	
LANDSCAPED AREA > 50% IRRIGATION BY HARVESTED RAINWATER			0.2	0.0	
LANDSCAPING VISIBLE FROM RIGHT OF WAY OR PUBLIC OPEN SPACES		950	0.1	95.0	
LANDSCAPING IN FOOD CULTIVATION			0.1	0.0	
GREEN FACTOR NUMERATOR				2997.5	
PARCEL SIZE				5000	
TOTAL GREEN FACTOR				0.60	



PARKING CALCULATION:

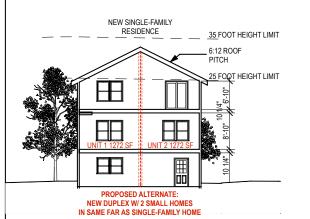
- 3 DWELLINGS REQUIRES 3 STALLS.

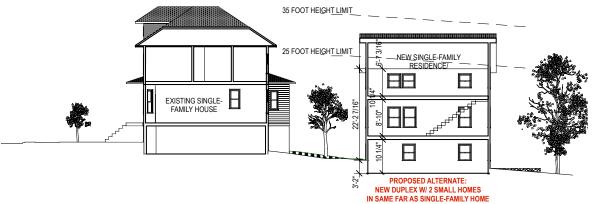
- 20% REDUCTION OF 3 = 2.4, ROUNDS TO 2 STALLS (LESS THAN 3 MAY BACK OUT OF LOT).

- EXISTING DWELLING HAS NO OFF STREET PARKING.

• SCHEME PROPOSES ONE STALL FOR 3 DWELLINGS.









VIEW TITLE





BIRDS EYE VIEW



## **GARDEN COURTYARD**

40' x 100' MID-BLOCK

WHITE HAT

NO DEPARTURES

PROJECT DATA	
COMPONENT	AMOUNT
LOT SIZE	4000
FAR	0.87
NUMBER OF UNITS	3
TOTAL GROSS SQUARE FOOTAGE	3759
NUMBER OF PARKING STALLS	2
TYPE OF PARKING AT GRADE	ON-GRADE
OPEN SPACE TOTAL	1040
OPEN SPACE AT GRADE	1040
OPEN SPACE ABOVE GRADE	0
AMENITY SPACE SQUARE FOOTAGE	1040
GREEN FACTOR (attach calculations)	0.61
LOT COVERAGE (SF)	35.6%
BUILDING HEIGHT/ROOF PEAK	27' /35'
IMPERVIOUS SURFACE	34.9%
OPEN SPACE/LOT SIZE RATIO	26.0%
UNIT DENSITY (UNITS PER LOT AREA)	1 UNIT/ 1333SF

ENABLING FACTORS:

1. The 20% parking reduction is used to provide one fewer parking space, which frees up open space in the center of the site.

GATING MECHANISMS:

1. This scheme works well up to an FAR of about 1.0. As FAR gets higher, the central open space will gradually disappear.

2. This scheme falls apart with more than two parking spaces in the front of the lot.

COST FACTORS:
1. This is a very cost effective scheme.

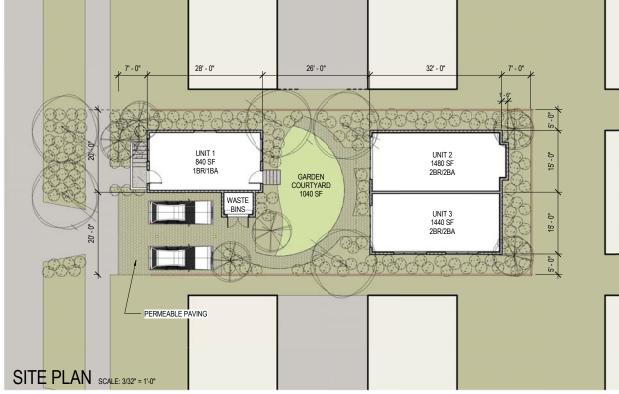
EVALUATION:

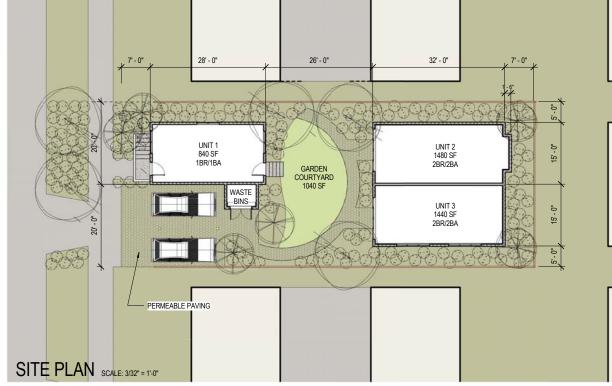
1. Bonus incentives should be provided when projects raise main floor level above street grade.

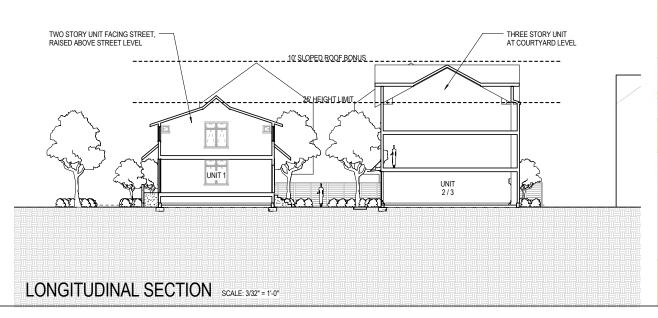
Creen factor penalizes projects that provide usable green spaces (lawns). In this case, the scheme's lot coverage is so low that green factor is easily satisfied.
 Despite its low FAR, none of the project floor area is used for parking. The project has usable interior space comprashe to a 1.FAR 4-pack.
 Should the extra parking space come with conditions, for example maximum unit size?

GREEN FACTOR				
LANDSCAPE ELEMENT	NUM	AREA (SF)	FACTOR	TOTAL
LANDSCAPED AREA W/ SOIL DEPTH LESS THAN 24"		0	0.1	0.0
LANDSCAPED AREA W/ 24" OF SOIL OR GREATER		1956	0.6	1173.6
BIORETENTION FACILITIES		0	1.0	0.0
GROUND COVERS OR PLANTS LESS THAN 2' AT MATURITY		0	0.1	0.0
SHRUBS OR PERENINIALS 2'+ AT MATURITY		1568	0.3	470.4
NUMBER OF SMALL TREES		50	0.3	0.0
NUMBER OF SMALL/MEDIUM TREES	5	100	0.3	150.0
NUMBER OF MEDIUM/LARGE TREES	5	150	0.4	300.0
NUMBER OF LARGE TREES		200	0.4	0.0
NUMBER OF LARGE TREES PRESERVED			0.8	0.0
GREEN ROOF BETWEEN 2" AND 4" OF GROWTH MEDIUM			0.4	0.0
GREEN ROOF OF AT LEAST 4" OF GROWTH MEDIUM			0.7	0.0
VEGETATED WALLS			0.7	0.0
APPROVED WATER FEATURES			0.7	0.0
PERMEABLE PAVING OVER BETWEEN 6" AND 24" OF SOIL OR GRAVEL		837	0.2	167.4
PERMEABLE PAVING OVER AT LEAST 24" OF SOIL OR GRAVEL			0.5	0.0
STRUCTURAL SOIL SYSTEMS			0.2	0.0
BONUS				
DROUGHT TOLERANT OR NATIVE PLANT SPECIES		1568	0.1	156.8
LANDSCAPED AREA > 50% IRRIGATION BY HARVESTED RAINWATER			0.2	0.0
LANDSCAPING VISIBLE FROM RIGHT OF WAY OR PUBLIC OPEN SPACES		409	0.1	40.9
LANDSCAPING IN FOOD CULTIVATION			0.1	0.0
GREEN FACTOR NUMERATOR				2459.1
PARCEL SIZE				4000
TOTAL GREEN FACTOR				0.61











W5





CROSS SECTION SCALE: 3/32" = 1'-0"

MID-BLOCK

CODE CHANGE

PROJECT DATA		
COMPONENT		AMOUNT
LOT SIZE		5000
FAR		1.08
NUMBER OF UNITS		6
TOTAL GROSS SQUARE FOOTAGE		5832
NUMBER OF PARKING STALLS		0
TYPE OF PARKING AT GRADE	NONE PR	OVIDED
OPEN SPACE TOTAL		2922
OPEN SPACE AT GRADE		1950
OPEN SPACE ABOVE GRADE		972
AMENITY SPACE SQUARE FOOTAGE		2922
GREEN FACTOR (attach calculations)		0.61
LOT COVERAGE (SF)		45.0%
BUILDING HEIGHT/ROOF PEAK		26' / 34'
IMPERVIOUS SURFACE		56.5%
OPEN SPACE/LOT SIZE RATIO		58.4%
UNIT DENSITY (UNITS PER LOT AREA)	1 UNIT/	833SF

WHITE HAT

ENABLING FACTORS:

1. CODE CHANGE: No Density Limits in small L zones.

2. No parking required in station areas.

3. Condominum ownership eliminates problems with unit lot subdivision and flats.

GATING MECHANISMS:

1. Setting main floor level above the street with a 25' height limit restricts the project to 2 stories above grade.

2. FAR limits prevent the project from expanding into the open space.

COST FACTORS:

1. Excavation & construction of the basement level.

2. Roof decks are more expensive than a conventional roof system.

EVALUATION:

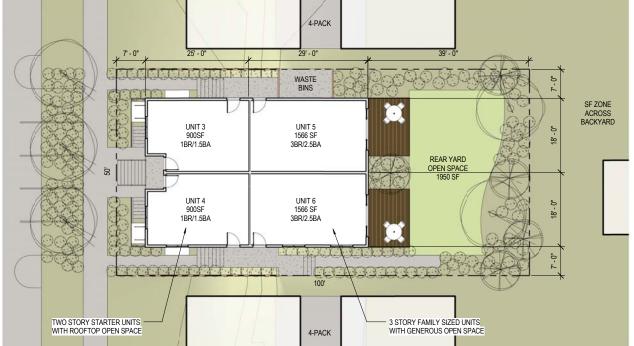
1. Lifting the main floor level above street level creates a better relationship between the public & private realm, but causes the project to lose one story of height above grade. If this project were built in a high FRA zone (1.3), it would need a third story and a height limit of about 34". Otherwise, the project would expand into the open space.

2. Green factor penalizes projects that provide usable green space (lawn). In this case, the scheme's lot coverage is so low that green factor is easily satisfied.

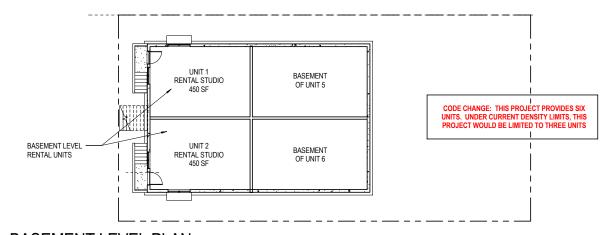
3. Where parking requirements are still in effect, removing density limits would be a fairly modest change, as parking minimums are a density limit as well. In station areas and urban centers where parking is not required, removing density limits could potentially lead to dramatic changes in unit size and affordability.

4. Consider incentives for projects that provide basements, including: FAR waiver for basement areas, height bonus for constructing a basement.

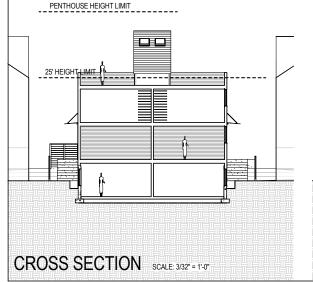
GREEN FACTOR				
LANDSCAPE ELEMENT	NUM	AREA (SF)	FACTOR	TOTAL
LANDSCAPED AREA W/ SOIL DEPTH LESS THAN 24"			0.1	0.0
LANDSCAPED AREA W/ 24" OF SOIL OR GREATER		2741	0.6	1644.6
BIORETENTION FACILITIES			1.0	0.0
GROUND COVERS OR PLANTS LESS THAN 2' AT MATURITY			0.1	0.0
SHRUBS OR PERENINIALS 2'+ AT MATURITY		1936	0.3	580.8
NUMBER OF SMALL TREES		50	0.3	0.0
NUMBER OF SMALL/MEDIUM TREES	5	100	0.3	150.0
NUMBER OF MEDIUM/LARGE TREES	5	150	0.4	300.0
NUMBER OF LARGE TREES		200	0.4	0.0
NUMBER OF LARGE TREES PRESERVED			0.8	0.0
GREEN ROOF BETWEEN 2" AND 4" OF GROWTH MEDIUM			0.4	0.0
GREEN ROOF OF AT LEAST 4" OF GROWTH MEDIUM			0.7	0.0
VEGETATED WALLS			0.7	0.0
APPROVED WATER FEATURES			0.7	0.0
PERMEABLE PAVING OVER BETWEEN 6" AND 24" OF SOIL OR GRAVEL			0.2	0.0
PERMEABLE PAVING OVER AT LEAST 24" OF SOIL OR GRAVEL			0.5	0.0
STRUCTURAL SOIL SYSTEMS			0.2	0.0
BONUS				
DROUGHT TOLERANT OR NATIVE PLANT SPECIES		2741	0.1	274.1
LANDSCAPED AREA > 50% IRRIGATION BY HARVESTED RAINWATER			0.2	0.0
LANDSCAPING VISIBLE FROM RIGHT OF WAY OR PUBLIC OPEN SPACES		853	0.1	85.3
LANDSCAPING IN FOOD CULTIVATION			0.1	0.0
GREEN FACTOR NUMERATOR				3034.8
PARCEL SIZE				5000
TOTAL GREEN FACTOR				0.61

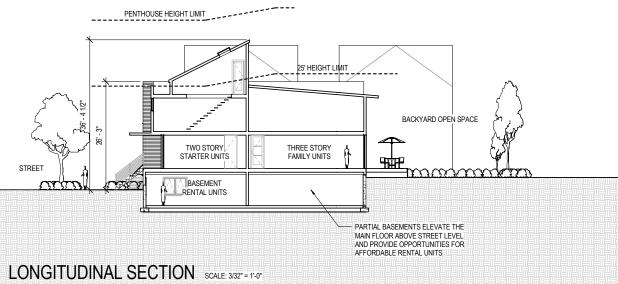


SITE PLAN SCALE: 3/32" = 1'-0"



BASEMENT LEVEL PLAN SCALE: 3/32" = 1'-0"







W6





## TOWNHOUSE INFILL

40' x 91' MID-BLOCK THROUGH LOT

WHITE HAT SETBACKS, CURB CUT, CLERESTORIES, FAI

PROJEC	CT DATA		
COMPONENT			AMOUNT
LOT SIZE			3640
FAR	FAR IS ABOUT 1.4 IF BASEM	ENT LEVEL IS NOT INCLUDED	1.62
NUMBER OF UNITS			4
TOTAL GROSS SQUARE FOOTAGE			6350
NUMBER OF PARKING STALLS			4
TYPE OF PARKING		AT GRADE M	NOR STREET
OPEN SPACE TOTAL			690
OPEN SPACE AT GRADE			180
OPEN SPACE ABOVE GRADE			510
AMENITY SPACE SQUARE FOOTAGE			957
GREEN FACTOR (attach calculations)			0.60
LOT COVERAGE (2445 SF)			52.4%
BUILDING HEIGHT/ROOF PEAK			34'-0"
IMPERVIOUS SURFACE			52%
OPEN SPACE/LOT SIZE RATIO			19.0%
UNIT DENSITY (UNITS PER LOT AREA)		1 UNIT	910 SF

## NABLING FACTORS:

1. Shared Amenity space replaces private open space in this scheme, creating a common courtyard at the project's center.
2. Reduced setbacksof 7 feet, averaged for the entire site (front - sides + rear / total building face length = average setback instead of averaging each side independently) allows for greater flexibility. This averaging method creates a 5-foot front setback, a 17-foot 'rear' setback in the the second 'front setback' along the minor street. of the through bit. A countyrard is provided on the south side of the property. Parking is provided at grade at the elevation of the lower street below a green roof.
3. Departures are required for an interpretation of the side setback provision, for curb cut width, for clerestories at the roof and for FAB (or an incentive).

and for FAR (or an incentive).

## GATING MECHANISMS:

NATION INCLUDES.

Because basement area is considered part of FAR, the project achieves an FAR of 1.62.

Because parking is provided through a wide curb cut of the minor street (similar to an alley condition) a high FAR is achievable on this small lot.

## COST FACTORS:

. The primary cost factors in this scheme are the roof top photovoltaic solar panels, not addressed sufficiently in the code update, the third floor decks and green roof over parking. :VALUATION:

On a small through lot, 40 feet x 91 feet, flexibility in the code is especially relevant. The flexibility created by going to FAF reduced setbacks and amenity shared open space, while encouraging sustainable construction choices enables this

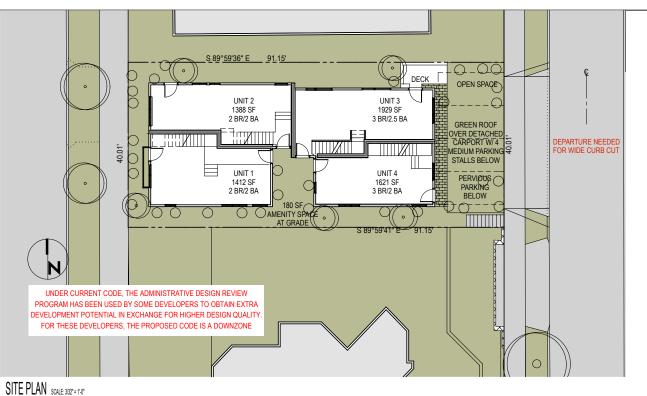
reduced setbacks and amenity suareu upen apoco. In the control of the building scheme.

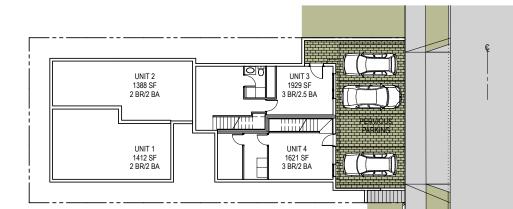
2. The areas for trash can be handled at the front of each car parking stall.

3. The proposed roof provides clerestories along the north building façade for the length of the building to bring northern to bring northern light into the units and provide a roof slope for the solar photovoltaic panels.

4. All roof types should qualify for the additional 5 feet of height in Lowrise 3 including clerestories and sheds.

GREEN FACTO	<u> X</u>			
LANDSCAPE ELEMENT	NUM	AREA (SF)	FACTOR	TOTAL
LANDSCAPED AREA W/ SOIL DEPTH LESS THAN 24"		0	0.1	0.0
LANDSCAPED AREA W/ 24" OF SOIL OR GREATER		1396	0.6	837.6
BIORETENTION FACILITIES		0	1.0	0.0
GROUND COVERS OR PLANTS LESS THAN 2' AT MATURITY		1396	0.1	139.6
SHRUBS OR PERENINIALS 2'+ AT MATURITY		512	0.3	153.6
NUMBER OF SMALL TREES	0	50	0.3	0.0
NUMBER OF SMALL/MEDIUM TREES	5	100	0.3	150.0
NUMBER OF MEDIUM/LARGE TREES	1	150	0.4	60.0
NUMBER OF LARGE TREES	1	200	0.4	80.0
NUMBER OF LARGE TREES PRESERVED			0.8	0.0
GREEN ROOF BETWEEN 2" AND 4" OF GROWTH MEDIUM			0.4	0.0
GREEN ROOF OF AT LEAST 4" OF GROWTH MEDIUM		510	0.7	357.0
VEGETATED WALLS			0.7	0.0
APPROVED WATER FEATURES			0.7	0.0
PERMEABLE PAVING OVER BETWEEN 6" AND 24" OF SOIL OR GRAVEL			0.2	0.0
PERMEABLE PAVING OVER AT LEAST 24" OF SOIL OR GRAVEL		544	0.5	272.0
STRUCTURAL SOIL SYSTEMS			0.2	0.0
BONUS				
DROUGHT TOLERANT OR NATIVE PLANT SPECIES		850	0.1	85.0
LANDSCAPED AREA > 50% IRRIGATION BY HARVESTED RAINWATER			0.2	0.0
LANDSCAPING VISIBLE FROM RIGHT OF WAY OR PUBLIC OPEN SPACES		600	0.1	60.0
LANDSCAPING IN FOOD CULTIVATION			0.1	0.0
GREEN FACTOR NUMERATOR				2194.8
PARCEL SIZE				3640
TOTAL GREEN FACTOR				0.60



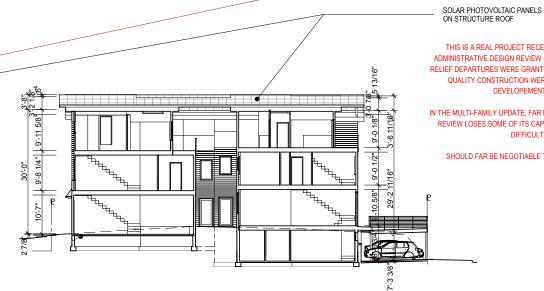






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STREET VIEW



THIS IS A REAL PROJECT RECENTLY APPROVED THROUGH ADMINISTRATIVE DESIGN REVIEW. LOT COVERAGE AND SETBACK RELIEF DEPARTURES WERE GRANTED. GREEN FEATURES AND HIGH QUALITY CONSTRUCTION WERE EXCHANGED FOR EXTRA DEVELOPEMENT POTENTIAL.

CLERESTORY PROVIDED ALONG NORTH PROPERTY LINE AND BETWEEN ROOF SLOPES.

IN THE MULTI-FAMILY UPDATE, FAR IS NON-DEPARTABLE, SO DESIGN REVIEW LOSES SOME OF ITS CAPACITY FOR GIVE AND TAKE ON DIFFICULT SITES .

SHOULD FAR BE NEGOTIABLE THROUGH DESIGN REVIEW?



CROSS SECTION SCALE: 3/32" = 1'-0"

LONGITUDINAL SECTION SCALE: 3/82" = 1'-0"